

STATIONARY CAPILLARY ELECTROPHORESIS SYSTEM

ABSTRACT OF THE DISCLOSURE

5 A system and method for capillary electrophoresis are provided for analyzing a
macromolecule prepared from a complex liquid mixture. In particular applications,
methods and apparatus are provided for separating and analyzing a solution containing a
denatured macromolecule by employing a stationary capillary electrophoresis
apparatus. An apparatus for capillary electrophoresis includes an inlet chamber and a
10 capillary electrophoresis column. One end of the column is fixed at the interior of the
inlet chamber. The column has a length of at least about 20 centimeters. Also included
is a liquid source adapted for automatic control. The liquid source supplies a liquid
sample through an input valve into the inlet chamber so that the sample is in fluid
communication with the end of the column. A method for capillary electrophoresis
15 includes automatically supplying the liquid sample to the apparatus.